

Decision Memorandum **Mint Oil**

5/1/2008

Based on decisions by Janet Andersen, Director, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs. (12/22/2003 and 4/07/2008)

Minimal Risk list in 40CFR152.25(f), aka the 25b list – Oils included under the term, "Mint and Mint Oil":

Mint oil, CAS # 68917-18-0, derived from the "wild mint" plant, *Mentha arvensis*, and Spearmint Oil, CAS # 8008-79-5, derived from the plant *Mentha spicata*: Synonym.—*Mentha viridis* L

The term "Mint Oil" was not intended to include all oils from the mint plant genus *Mentha* because, for example, Peppermint Oil* was not included in this term "Mint Oil" since the committee had listed it separately on the 25b list.

Pennyroyal Oil, as derived from the *Mentha pulegium* plant is very toxic and was not considered to be included in the term "Mint Oil" by the 25b rule development committee. "Mint and mint oil" as listed in 40CFR152.25(f) technically refers only to the "Wild mint" plant *Mentha arvensis* and oils derived from it as identified by the CAS # 68917-18-0. However, since Spearmint Oil** was registered at the time of the 25b rule development, it appears that the committee intended for it to also be included under the term "Mint and mint oil".

* Peppermint Oil, CAS # 8006-90-4, derived from the plant *Mentha piperita*.

**Spearmint Oil, CAS # 8008-79-5, derived from the plant *Mentha spicata*: Synonym.—*Mentha viridis* L., Other common names.—Mint, brown mint, garden mint, lamb mint, mackerel mint, Our Lady's mint, sage of Bethlehem.

A chemindustry webpage indicates that CAS 68917-18-0 has the following synonyms: Corn mint oil, Cornmint oil, Cornmint oil, Field mint oil, Japanese mint oil, *Mentha arvensis* oil, *Mentha arvensis* oil (Commint oil) (*Mentha arvensis*), *Mentha* oil, *Oil mentha arvensis*, Oils, mint, *Mentha arvensis piperascens*, and Wild mint oil

Summary for the 25b list: "Mint oil" is CAS # 68917-18-0 & CAS # 8008-79-5
"Peppermint oil is CAS # 8006-90-4

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